Title (en)

DERIVING MOTION VECTOR INFORMATION AT A VIDEO DECODER

Title (de)

ABLEITUNG VON BEWEGUNGSVEKTORINFORMATIONEN AN EINEM VIDEODECODIERER

Title (fr)

DÉDUCTION D'INFORMATIONS DE VECTEUR DE MOUVEMENT AU NIVEAU D'UN DÉCODEUR VIDÉO

Publication

EP 3586512 A1 20200101 (EN)

Application

EP 18708846 A 20180221

Priority

- US 201762461729 P 20170221
- US 201762463266 P 20170224
- US 201762472919 P 20170317
- US 201815900649 A 20180220
- US 2018019018 W 20180221

Abstract (en)

[origin: US2018241998A1] An example device for decoding video data includes a memory configured to store video data, and a video decoder implemented in circuitry and configured to determine that motion information of a current block of the video data is to be derived using decoder-side motion vector derivation (DMVD), determine a pixels clue for the current block, the pixels clue comprising pixel data obtained from one or more groups of previously decoded pixels, derive the motion information for the current block according to DMVD from the pixels clue, and decode the current block using the motion information. The video decoder may generate the pixels clue using multiple hypothesis predictions from multiple motion compensated blocks. The video decoder may determine an inter-prediction direction for the motion information according to matching costs between different prediction directions. The video decoder may refine the motion information using a calculated matching cost for the pixels clue.

IPC 8 full level

H04N 19/51 (2014.01); **H04N 19/109** (2014.01); **H04N 19/44** (2014.01); **H04N 19/573** (2014.01); **H04N 19/577** (2014.01); **H04N 19/583** (2014.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2018156628A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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US 10701366 B2 20200630; **US 2018241998 A1 20180823**; BR 112019017252 A2 20200414; CN 110301135 A 20191001; CN 110301135 B 20230630; EP 3586512 A1 20200101; SG 11201906286Q A 20190927; TW 201842766 A 20181201; TW I717586 B 20210201; WO 2018156628 A1 20180830

DOCDB simple family (application)

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